



ARROW
GEAR
COMPANY

171035

2301 Curtiss Street Downers Grove, Illinois 60515-4036 708-969-7640 Fax: 708-969-0253

August 13, 1996

Illinois Environmental Protection Agency
Division of Air Pollution Control
P. O. Box 19276
Springfield, IL
62794-9276

Attn: Annual Emission Report

Subject: Arrow Gear Company-Annual Emission Report for Year 1995

Dear Sir/Madam:

Enclosed is the Annual Emission Report for year 1995. This report should have been sent in with the renewal application, but was overlooked. Sorry for the delay.

Thank you.

Sincerely,

ARROW GEAR COMPANY

Harry Hartzell
Chief Metallurgist

HH/cbp

03/27/96

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
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043030ABG - ARROW GEAR CO
OWNER:
FACILITY PHONE:

- SOURCE DATA -

SOURCE
IDS AND
LOCATION

AIRS: 17-043-0074	IEPA USE ONLY	LATITUDE: 41:47:31.0000
FINDS: ILD005075205	IEPA USE ONLY	LONGITUDE: 88:02:19.0000
FEIN: 36-2343766		YEAR OF DATUM: UNKN
D&B: 00-507-5205		SCALE:
SIC 1: 3566		METHOD: E
SIC 2:		ACCURACY:
SIC 3:		WHERE MEASURED:

SOURCE
ADDRESS

ARROW GEAR CO
2301 CURTISS
DOWNERS GROVE, IL 60515
CONTACT: HARRY A. HARTZELL
PHONE: 708-969-7640 EXT: 243
FAX: 708-969-0253

ANNUAL
EMISSION
REPORT
MAILING
ADDRESS

ARROW GEAR CO
2301 CURTISS ST
DOWNERS GROVE, IL 60515-4055
CONTACT: HARRY A. HARTZELL
PHONE: 708-969-7640 EXT: 243
FAX: 708-969-0253

ALL ANNUAL EMISSIONS REPORT DATA VERIFIED, MODIFIED OR PROVIDED ON BEHALF OF THE
COMPANY NAMED ABOVE, WHETHER SUBMITTED ELECTRONICALLY OR IN WRITING, REPRESENTS
THE BEST AVAILABLE INFORMATION AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.


AUTHORIZED SIGNATURE

Harry hartzell, Metallurgist
TYPED OR PRINTED NAME AND TITLE

08/13/96
DATE

(630) 969-7640
TELEPHONE NUMBER

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043030ABG - ARROW GEAR CO

- ANNUAL SOURCE EMISSIONS -

POLLUTANT CODE	ALLOWABLE EMISSIONS (TONS/YEAR)	EMISSIONS REPORTED FOR 1994 (TONS/YEAR)	IEPA 1995 ESTIMATED EMISSIONS (TONS/YEAR)	SOURCE REPORTED EMISSIONS FOR 1995 (TONS/YEAR)
CO	0.0499	0.0499	0.0499	0.0499
NOX	15.4752	9.8592	9.8592	9.8592
PART	2.2830	2.2305	2.2305	2.2305
VOM	15.3000	1.2375	1.2375	1.2375

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043030ABG - ARROW GEAR CO

- PERMIT LISTING -

PERMIT NUMBER	TYPE OF PERMIT	OPERATION NAME	STATUS	STATUS DATE	EXPIRES
73060221	OPERATING	GEAR MANUFACTURING	GRANTED	04/16/91	08/14/96

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043030ABG - ARROW GEAR CO

- FUEL COMBUSTION DATA -

POINT 0003 - SUNBEAM ATMOSPHERIC GENERATORS (2)

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 10200603

SIC:

MODE 01 -

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 2

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%

JUN-AUG: 25.00%

MAR-MAY: 25.00%

SEP-NOV: 25.00%

FUEL TYPE: 1 NATURAL GAS

INPUT (MMBTU/HR): 1.2

HEAT CONTENT: 1000

SULFUR CONTENT (%): 0.00

ASH CONTENT (%): 0.00

NITROGEN CONTENT (%): 0.00

UNITS: MILLION CUBIC FEET BURNED

UNITS: MILLION CUBIC FEET BURNED

TYPICAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	8.0	HOURS/DAY:	8.0
DAYS/WEEK:	5.0	DAYS/WEEK:	5.0
WEEKS/YEAR:	52	WEEKS/SEASON:	52
HOURS/YEAR:	2,080	HOURS/SEASON:	2,080
RATE/HR:	0.0012	START TIME:	
RATE/DAY:	0.0096	END TIME:	
RATE/YR:	2.4960	RATE/HR:	0.0012
CONFIDENTIAL: N		CONFIDENTIAL: N	

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043030ABG - ARROW GEAR CO

- FUEL COMBUSTION DATA -

POINT 0003 - SUNBEAM ATMOSPHERIC GENERATORS (2)

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 10200603

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
NOX	3		.12

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
NOX	3		.12

CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- FUEL COMBUSTION DATA -

POINT 0006 - WASHER HEAT TREAT

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

SCC: 30990003
SIC:

MODE 01 -

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%

MAR-MAY: 25.00%
SEP-NOV: 25.00%

FUEL TYPE: 1 NATURAL GAS
INPUT (MMBTU/HR): .1

HEAT CONTENT: 1000
SULFUR CONTENT (%): 0.00
ASH CONTENT (%): 0.00
NITROGEN CONTENT (%): 0.00

UNITS: MILLION CUBIC FEET BURNED

UNITS: MILLION CUBIC FEET BURNED

TYPICAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	8.0	HOURS/DAY:	8.0
DAYS/WEEK:	5.0	DAYS/WEEK:	5.0
WEEKS/YEAR:	50	WEEKS/SEASON:	50
HOURS/YEAR:	2,000	HOURS/SEASON:	2,000
RATE/HR:	0.0001	START TIME:	
RATE/DAY:	0.0008	END TIME:	
RATE/YR:	0.2000	RATE/HR:	0.0001
CONFIDENTIAL: N		CONFIDENTIAL: N	

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043030ABG - ARROW GEAR CO

- FUEL COMBUSTION DATA -

POINT 0006 - WASHER HEAT TREAT

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30990003

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
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POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- FUEL COMBUSTION DATA -

POINT 0007 - DRAW FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30990003

SIC:

MODE 01 -

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00% MAR-MAY: 25.00%
SEP-NOV: 25.00%

FUEL TYPE: 1 NATURAL GAS
INPUT (MMBTU/HR): 1

HEAT CONTENT: 1000
SULFUR CONTENT (%): 0.00
ASH CONTENT (%): 0.00
NITROGEN CONTENT (%): 0.00

UNITS: MILLION CUBIC FEET BURNED

UNITS: MILLION CUBIC FEET BURNED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	8.0	_____	HOURS/DAY:	8.0	_____
DAYS/WEEK:	5.0	_____	DAYS/WEEK:	5.0	_____
WEEKS/YEAR:	50	_____	WEEKS/SEASON:	50	_____
HOURS/YEAR:	2,000	_____	HOURS/SEASON:	2,000	_____
RATE/HR:	0.0010	_____	START TIME:		_____
RATE/DAY:	0.0080	_____	END TIME:		_____
RATE/YR:	2.0000	_____	RATE/HR:	0.0010	_____
CONFIDENTIAL: N	_____		CONFIDENTIAL: N	_____	

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043030ABG - ARROW GEAR CO

- FUEL COMBUSTION DATA -

POINT 0007 - DRAW FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30990003

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
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POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- FUEL COMBUSTION DATA -

POINT 0017 - AIR MAKEUP UNITS

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 10500106

SIC:

MODE 01 -

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 2

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%

JUN-AUG: 25.00%

MAR-MAY: 25.00%

SEP-NOV: 25.00%

FUEL TYPE: 1 NATURAL GAS

INPUT (MMBTU/HR): 3.6

HEAT CONTENT: 1000

SULFUR CONTENT (%): 0.00

ASH CONTENT (%): 0.00

NITROGEN CONTENT (%): 0.00

UNITS: MILLION CUBIC FEET BURNED

UNITS: MILLION CUBIC FEET BURNED

TYPICAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	8.0	HOURS/DAY:	8.0
DAYS/WEEK:	5.0	DAYS/WEEK:	5.0
WEEKS/YEAR:	50	WEEKS/SEASON:	50
HOURS/YEAR:	2,000	HOURS/SEASON:	2,000
RATE/HR:	0.0036	START TIME:	
RATE/DAY:	0.0288	END TIME:	
RATE/YR:	7.2000	RATE/HR:	0.0036
CONFIDENTIAL: N		CONFIDENTIAL: N	

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043030ABG - ARROW GEAR CO

- FUEL COMBUSTION DATA -

POINT 0017 - AIR MAKEUP UNITS

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 10500106

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
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POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0001 - LINDBERG BOX HARDENING FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

MODE 01 -

SCC: 30402201

SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1 PERCENT THROUGHPUTS: DEC-FEB: 25.00% MAR-MAY: 25.00%
BEGAN OPERATION: 06/1973 JUN-AUG: 25.00% SEP-NOV: 25.00%
CEASED OPERATION: /

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	24.0	HOURS/DAY:	24.0
DAYS/WEEK:	5.0	DAYS/WEEK:	5.0
WEEKS/YEAR:	52	WEEKS/SEASON:	52
HOURS/YEAR:	6,240	HOURS/SEASON:	6,240
RATE/HR:	1.0000	START TIME:	
RATE/DAY:	24.0000	END TIME:	
RATE/YR:	6,240.0000	RATE/HR:	1.0000
PWR (LB/HR):	2,000.00	PWR (LB/HR):	2,000.00
CONFIDENTIAL: N		CONFIDENTIAL: N	

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0001 - LINDBERG BOX HARDENING FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30402201

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
CO	3		.016
NOX	3		.08

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
NOX	3		.08

CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0002 - SUNBEAM HEATMASTER HEATTREAT FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

MODE 01 -

SCC: 30402201

SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%
MAR-MAY: 25.00%
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION	PEAK OZONE SEASON OPERATION
HOURS/DAY: 24.0	HOURS/DAY: 24.0
DAYS/WEEK: 5.0	DAYS/WEEK: 5.0
WEEKS/YEAR: 52	WEEKS/SEASON: 52
HOURS/YEAR: 6,240	HOURS/SEASON: 6,240
RATE/HR: 0.7500	START TIME:
RATE/DAY: 18.0000	END TIME:
RATE/YR: 4,680.0000	RATE/HR: 0.7500
PWR (LB/HR): 1,500.00	PWR (LB/HR): 1,500.00
CONFIDENTIAL: N	CONFIDENTIAL: N

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0002 - SUNBEAM HEATMASTER HEATTREAT FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30402201

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
NOX	3		3

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
NOX	3		3

CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0004 - QUENCH PRESS

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

MODE 01 -

SCC: 30900199

SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 3
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%
MAR-MAY: 25.00%
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION	PEAK OZONE SEASON OPERATION
HOURS/DAY: 24.0	HOURS/DAY: 24.0
DAYS/WEEK: 5.0	DAYS/WEEK: 5.0
WEEKS/YEAR: 50	WEEKS/SEASON: 50
HOURS/YEAR: 6,000	HOURS/SEASON: 6,000
RATE/HR: 0.0500	START TIME:
RATE/DAY: 1.2000	END TIME:
RATE/YR: 300.0000	RATE/HR: 0.0500
PWR (LB/HR): 150.00	PWR (LB/HR): 150.00
CONFIDENTIAL: N	CONFIDENTIAL: N

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0004 - QUENCH PRESS

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30900199

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
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POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-------------------	--------------------	----------------------------------	--

CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0005 - PARTS WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

MODE 01 -

SCC: 30900199
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%

MAR-MAY: 25.00%
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	24.0		HOURS/DAY:	24.0	
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	50	
HOURS/YEAR:	6,000		HOURS/SEASON:	6,000	
RATE/HR:	0.0400		START TIME:		
RATE/DAY:	0.9600		END TIME:		
RATE/YR:	240.0000		RATE/HR:	0.0400	
PWR (LB/HR):	150.00		PWR (LB/HR):	150.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0005 - PARTS WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30900199

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
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POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CAPTURING STACKS:

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0008 - BROACHING MACHINES

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

MODE 01 -

SCC: 30900199
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 3
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%

MAR-MAY: 25.00%
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	5.0		HOURS/DAY:	5.0	
DAYS/WEEK:	3.0		DAYS/WEEK:	3.0	
WEEKS/YEAR:	25		WEEKS/SEASON:	25	
HOURS/YEAR:	375		HOURS/SEASON:	375	
RATE/HR:	0.0500		START TIME:		
RATE/DAY:	0.2500		END TIME:		
RATE/YR:	18.7500		RATE/HR:	0.0500	
PWR (LB/HR):	100.00		PWR (LB/HR):	100.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0008 - BROACHING MACHINES

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

SCC: 30900199
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0009 - LARGE SOLVENT WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

MODE 01 -

SCC: 30900199
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%
MAR-MAY: 25.00%
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	15.0		HOURS/DAY:	15.0	
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	50	
HOURS/YEAR:	3,750		HOURS/SEASON:	3,750	
RATE/HR:	0.0700		START TIME:		
RATE/DAY:	1.0500		END TIME:		
RATE/YR:	262.5000		RATE/HR:	0.0700	
PWR (LB/HR):	150.00		PWR (LB/HR):	150.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0009 - LARGE SOLVENT WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

SCC: 30900199
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		.5

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		.5

CAPTURING CONTROLS:

CAPTURING STACKS:

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043030AEG - ARROW GEAR CO

- PROCESS DATA -

POINT 0010 - SMALL SOLVENT WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

MODE 01 -

SCC: 30900199
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%

MAR-MAY: 25.00%
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	3.0		HOURS/DAY:	3.0	
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	50	
HOURS/YEAR:	750		HOURS/SEASON:	750	
RATE/HR:	0.0015		START TIME:		
RATE/DAY:	0.0045		END TIME:		
RATE/YR:	1.1250		RATE/HR:	0.0015	
PWR (LB/HR):	3.00		PWR (LB/HR):	3.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0010 - SMALL SOLVENT WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

SCC: 30900199
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0011 - DEGREASER

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

MODE 01 -

SCC: 40100299
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 2
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%
MAR-MAY: 25.00%
SEP-NOV: 25.00%

UNITS: TONS MAKE-UP SOLVENT USED

UNITS: TONS MAKE-UP SOLVENT USED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	10.0		HOURS/DAY:	10.0	
DAYS/WEEK:	2.0		DAYS/WEEK:	2.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	50	
HOURS/YEAR:	1,000		HOURS/SEASON:	1,000	
RATE/HR:	0.0250		START TIME:		
RATE/DAY:	0.2500		END TIME:		
RATE/YR:	25.0000		RATE/HR:	0.0250	
PWR (LB/HR):	50.00		PWR (LB/HR):	50.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0011 - DEGREASER

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 40100299

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		.3

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		.3

CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0012 - ROTARY SHOT BLAST

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

MODE 01 -

SCC: 30900199

SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 2
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%
MAR-MAY: 25.00%
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	24.0		HOURS/DAY:	24.0	
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	50	
HOURS/YEAR:	6,000		HOURS/SEASON:	6,000	
RATE/HR:	0.0900		START TIME:		
RATE/DAY:	2.1600		END TIME:		
RATE/YR:	540.0000		RATE/HR:	0.0900	
PWR (LB/HR):	250.00		PWR (LB/HR):	250.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0012 - ROTARY SHOT BLAST

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30900199

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
PART	2		.095

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CONTROL 0001 CAPTURE EFFICIENCY: 100.00%

CAPTURING STACKS:

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0013 - RUEMELIN HANDBLAST

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

MODE 01 -

SCC: 30900199

SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1 PERCENT THROUGHPUTS: DEC-FEB: 25.00% MAR-MAY: 25.00%
BEGAN OPERATION: 06/1973 JUN-AUG: 25.00% SEP-NOV: 25.00%
CEASED OPERATION: /

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	24.0		HOURS/DAY:	24.0	
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	50	
HOURS/YEAR:	6,000		HOURS/SEASON:	6,000	
RATE/HR:	0.0150		START TIME:		
RATE/DAY:	0.3600		END TIME:		
RATE/YR:	90.0000		RATE/HR:	0.0150	
PWR (LB/HR):	30.00		PWR (LB/HR):	30.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0013 - RUEMELIN HANDBLAST

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30900199

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
PART	2		.0075

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CONTROL 0002

CAPTURE EFFICIENCY: 100.00%

CAPTURING STACKS:

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0014 - DEDURRING AND POLISHING

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

MODE 01 -

SCC: 30900199
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 14
BEGAN OPERATION: 06/1973
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%
JUN-AUG: 25.00%

MAR-MAY: 25.00%
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	15.0	HOURS/DAY:	15.0
DAYS/WEEK:	5.0	DAYS/WEEK:	5.0
WEEKS/YEAR:	52	WEEKS/SEASON:	52
HOURS/YEAR:	3,900	HOURS/SEASON:	3,900
RATE/HR:	0.1200	START TIME:	
RATE/DAY:	1.8000	END TIME:	
RATE/YR:	468.0000	RATE/HR:	0.1200
PWR (LB/HR):	350.00	PWR (LB/HR):	350.00
CONFIDENTIAL: N		CONFIDENTIAL: N	

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043030ABG - ARROW GEAR CO

- PROCESS DATA -

POINT 0014 - DEDURRING AND POLISHING

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30900199

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
PART	2		.06

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CONTROL 0003

CAPTURE EFFICIENCY: 100.00%

CAPTURING STACKS:

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
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043030ABG - ARROW GEAR CO

- CONTROL DEVICE DATA -

CONTROL 0001 - BAGHOUSE

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

CONTROL CODE: 018

DESCRIPTION CORRECTION:

REMOVAL EFFICIENCY:

PART

EFFICIENCY: 99.00%

METHOD:

CAPTURING CONTROLS:

CAPTURING STACKS:

STACK 0001

CAPTURE EFFICIENCY: 100.00%

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
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043030ABG - ARROW GEAR CO

- CONTROL DEVICE DATA -

CONTROL 0002 - BAGHOUSE

PERMIT: 73060221

BEGAN OPERATION: 06/1973
CEASED OPERATION: /

CONTROL CODE: 018

DESCRIPTION CORRECTION:

REMOVAL EFFICIENCY:

PART

EFFICIENCY: 99.00%

METHOD:

CAPTURING CONTROLS:

CAPTURING STACKS:

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
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043030ABG - ARROW GEAR CO

- CONTROL DEVICE DATA -

CONTROL 0003 - ROTOCLOVES

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

CONTROL CODE: 001

DESCRIPTION CORRECTION:

REMOVAL EFFICIENCY:

PART

EFFICIENCY: 98.00%

METHOD:

CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR CO

- STACK DATA -

STACK 0001 -

BEGAN OPERATION: / _____
CEASED OPERATION: / _____

DESCRIPTION CORRECTION:

DIAMETER (FT): 1.3 _____

HEIGHT (FT): 0 _____

TEMPERATURE (F): 0 _____

FLOW RATE (ACFM): 0 _____

VELOCITY (FT/MIN): 0 CALCULATED BY IEPA

LATITUDE (DD:MM:SS): _____

LONGITUDE (DD:MM:SS): _____

METHOD: _____

Is your **RETURN ADDRESS** completed on the reverse side?

SENDER: • Complete items 1 and/or 2 for additional services. • Complete items 3, and 4a & b. • Print your name and address on the reverse of this form so that we can return the card to you. • Attach this form to the front of the package, or on the back if space does not permit. • Write "Return Receipt Requested" on the multiple below the article number. • The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: IL ENVIRONMENTAL PROTECTION AGENCY DIV. OF WATER POLLUTION CONTROL 2200 CHURCHILL ROAD SPRINGFIELD, IL 62706 ATTN: NPDES UNIT (DNR) 3310		4a. Article Number P 383 270 365	
5. Signature (Addressee) AUG 13 1996		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise	
6. Signature (Agent) AUG 13 1996		7. Date of Delivery	
PS Form 3811, December 1991		8. Addressee's Address (Only if requested and fee is paid)	

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Thank you for using Return Receipt Service.